

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

EFS

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/573,625
Source: TEFWO
Date Processed by STIC: 03/12/2007

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/573, 625

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences (OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 Skipped Sequences (NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213> Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

11 Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules

12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/573,625

DATE: 03/12/2007
TIME: 16:29:17

Input Set : N:\efs\03_12_07\10573625_efs\seq-list-replace.txt
Output Set: N:\CRF4\03122007\J573625.raw

3 <110> APPLICANT: Applied Research Systems ARS holding
 5 <120> TITLE OF INVENTION: THERAPEUTIC USES OF CHEMOKINE VARIANTS
 7 <130> FILE REFERENCE: WO933
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/573,625
 C--> 9 <141> CURRENT FILING DATE: 2006-03-28
 9 <160> NUMBER OF SEQ ID NOS: 5
 11 <170> SOFTWARE: PatentIn version 3.0
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 76
 16 <212> TYPE: PRT
 17 <213> ORGANISM: Homo sapiens
 19 <220> FEATURE:
 21 <223> OTHER INFORMATION: Human CCL2
 23 <400> SEQUENCE: 1
 25 Gln Pro Asp Ala Ile Asn Ala Pro Val Thr Cys Cys Tyr Asn Phe Thr
 26 1 5 10 15
 28 Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr Arg Arg Ile Thr
 29 20 25 30
 31 Ser Ser Lys Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Ile Val Ala
 32 35 40 45
 34 Lys Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln Asp Ser Met
 35 50 55 60
 37 Asp His Leu Asp Lys Gln Thr Gln Thr Pro Lys Thr
 38 65 70 75
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 76
 43 <212> TYPE: PRT
 44 <213> ORGANISM: synthetic construct
 46 <220> FEATURE:
 48 <223> OTHER INFORMATION: Human CCL2-P8A
 50 <400> SEQUENCE: 2
 52 Gln Pro Asp Ala Ile Asn Ala Ala Val Thr Cys Cys Tyr Asn Phe Thr
 53 1 5 10 15
 55 Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr Arg Arg Ile Thr
 56 20 25 30
 58 Ser Ser Lys Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Ile Val Ala
 59 35 40 45
 61 Lys Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln Asp Ser Met
 62 50 55 60
 64 Asp His Leu Asp Lys Gln Thr Gln Thr Pro Lys Thr
 65 65 70 75
 68 <210> SEQ ID NO: 3
 69 <211> LENGTH: 76

Does Not Comply
Corrected Diskette Needed
(pg-1,2)

Response can only
be either, Artificial, Unknown
or Genus species.
Pls See Item 10
on Error
Summary
Sheet.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/573,625

DATE: 03/12/2007
TIME: 16:29:17

Input Set : N:\efs\03_12_07\10573625_efs\seq-list-replace.txt
Output Set: N:\CRF4\03122007\J573625.raw

70 <212> TYPE: PRT
 71 <213> ORGANISM: synthetic construct
 73 <220> FEATURE:
 75 <223> OTHER INFORMATION: Human CCL2*
 77 <400> SEQUENCE: 3
 79 Gln Pro Asp Ala Ile Asn Ala Pro Val Thr Cys Cys Tyr Asn Phe Thr
 80 1 5 10 15
 82 Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr Arg Arg Ile Thr
 83 20 25 30
 85 Ser Ser Lys Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Ile Val Ala
 86 35 40 45
 88 Lys Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln Asp Ser Ile
 89 50 55 60
 91 Asp His Leu Asp Lys Gln Thr Gln Thr Pro Lys Thr
 92 65 70 75
 95 <210> SEQ ID NO: 4
 96 <211> LENGTH: 76
 97 <212> TYPE: PRT
 98 <213> ORGANISM: synthetic construct
 100 <220> FEATURE:
 102 <223> OTHER INFORMATION: Human CCL2*-P8A
 104 <400> SEQUENCE: 4
 106 Gln Pro Asp Ala Ile Asn Ala Ala Val Thr Cys Cys Tyr Asn Phe Thr
 107 1 5 10 15
 109 Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr Arg Arg Ile Thr
 110 20 25 30
 112 Ser Ser Lys Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Ile Val Ala
 113 35 40 45
 115 Lys Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln Asp Ser Ile
 116 50 55 60
 118 Asp His Leu Asp Lys Gln Thr Gln Thr Pro Lys Thr
 119 65 70 75
 122 <210> SEQ ID NO: 5
 123 <211> LENGTH: 331
 124 <212> TYPE: PRT
 125 <213> ORGANISM: synthetic construct
 127 <220> FEATURE:
 129 <223> OTHER INFORMATION: Human CCL2-P8A_IgG1 fusion protein
 131 <400> SEQUENCE: 5
 133 Met Lys Val Ser Ala Ala Leu Leu Cys Leu Leu Leu Ile Ala Ala Thr
 134 1 5 10 15
 136 Phe Ile Pro Gln Gly Leu Ala Gln Pro Asp Ala Ile Asn Ala Ala Val
 137 20 25 30
 139 Thr Cys Cys Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu
 140 35 40 45
 142 Ala Ser Tyr Arg Arg Ile Thr Ser Ser Lys Cys Pro Lys Glu Ala Val
 143 50 55 60
 145 Ile Phe Lys Thr Ile Val Ala Lys Glu Ile Cys Ala Asp Pro Lys Gln
 146 65 70 75 80

Same error

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/573,625

DATE: 03/12/2007

TIME: 16:29:17

Input Set : N:\efs\03_12_07\10573625_efs\seq-list-replace.txt
Output Set: N:\CRF4\03122007\J573625.raw

148 Lys Trp Val Gln Asp Ser Met Asp His Leu Asp Lys Gln Thr Gln Thr
149 85 90 95
151 Pro Lys Thr Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro
152 100 105 110
154 Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro
155 115 120 125
157 Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr
158 130 135 140
160 Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn
161 145 150 155 160
163 Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg
164 165 170 175
166 Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val
167 180 185 190
169 Leu His Asn Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser
170 195 200 205
172 Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys
173 210 215 220
175 Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu
176 225 230 235 240
178 Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe
179 245 250 255
181 Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Gln Gly Gln Pro Glu
182 260 265 270
184 Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe
185 275 280 285
187 Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly
188 290 295 300
191 Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr
192 305 310 315 320
194 Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
195 325 330

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/573,625

DATE: 03/12/2007

TIME: 16:29:18

Input Set : N:\efs\03_12_07\10573625_efs\seq-list-replace.txt
Output Set: N:\CRF4\03122007\J573625.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date